	Application No.	Applicant(s)
Notice of Allowability	10/029,914	ELONEN ET AL.
	Examiner	Art Unit	
	Greg Bengzon	2144	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to <u>09/12/2006</u>.

2. ☒ The allowed claim(s) is/are <u>1,5-19, 24-, 26-29, 31-37, renumbered 1-28 respectively</u>.

3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a) ☐ All   b) ☐ Some*   c) ☐ None   of the:

        1. ☐ Certified copies of the priority documents have been received.

        2. ☐ Certified copies of the priority documents have been received in Application No. _____ .

        3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

    * Certified copies not received: _____ .

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. **THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.

5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.

    (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached

        1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____ .

    (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of

        Paper No./Mail Date _____ .

    Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)

2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date _____

4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material

5. ☐ Notice of Informal Patent Application

6. ☒ Interview Summary (PTO-413), Paper No./Mail Date _____ .

7. ☒ Examiner's Amendment/Comment

8. ☒ Examiner's Statement of Reasons for Allowance

9. ☐ Other _____ .

WILLIAM VAUGHN
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2100

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mr. Roland Long on October 25, 2006.

Claims 5-7 are being amended to indicate claim dependency on Claim 1 instead of Claim 3.

The following Claims are amended as follows:

5. A method according to Claim 1, wherein at least one of said third portions contains only one of i) carriage return characters, ii) linefeed characters, and iii) both carriage return and linefeed characters.

6. A method according to Claim 1, wherein the time period between the first time instant and the earliest second time instant is at maximum a certain first predetermined time period, and a time period between two sequential time instants of the second and third time instants is at maximum a certain second predetermined time period.

7. A method according to Claim 1, wherein a packet data connection is a Transfer Control Protocol connection, the response, whereof said first portion

constitutes a part, is a Hypertext Transfer Protocol Response and said first portion

leaves Content-Length field value unknown.

Allowable Subject Matter

Claims 1,5-19, 24, 26-29, 31-37 are allowed.

The following is an examiner's statement of reasons for allowance:

The provision for transferring data from a server to a client using a HTTP

connection, said method comprising the steps of:

- 1) sending only one HTTP request by a client to a server for a certain

information entity in the server, where

the one HTTP request is sent using HTTP data transfer protocol, the one HTTP

request establishes a HTTP connection and the one HTTP request specifies the certain

information entity in the server,

after sending the one HTTP request to the server, the client does not send any

further request to the server that specifies said certain information entity,

said certain information entity being at least partly updated continuously after

sending said one HTTP request,

- 2) sending, using said HTTP connection, at a first time instant from the server to said client a first response portion comprising a first information fragment relating to said information entity according to said HTTP data transfer protocol,

said first response portion further comprising all header information of the whole response encompassing said first response portion and subsequent second response portions, and a body of a web page showing said certain information entity, and

said client after receipt of said first response portion being arranged to accept further at least one subsequent second response portion,

- 3) sending, using said HTTP connection, at sequential second time instants from the server to said client a plurality of second response portions in response to said one HTTP request, each of said second portions comprising only an information fragment of an updated part of said information entity and a script for processing said information fragment of the updated part of said information entity, each second portion free of all HTTP header information, wherein

- the time period between the first time instant and the earliest second time instant is at maximum a certain first predetermined time period,

- a time period between two sequential second time instants is at maximum a certain second predetermined time period, and

the HTTP data transfer protocol is situated in the application layer on the top of the OSI model, and

- 4) sending, using said HTTP connection, at sequential third time instants from the server to said client a plurality of third response portions, said third portions containing no information fragments specific to said information entity ,

wherein at least one of said third portions contains only computer language instructions without the information fragment

— wherein all the features previously described are combined in one singular embodiment,   is not fairly taught or suggested by the prior art of record.

The Examiner finds particular novelty in the data transfer process as described in the Applicant Specification (page 5 Lines 25-30 and page 11 Lines 10-15) wherein each second portion [response] is free of all HTTP header information.

Hall teaches bundling portions of data into segments and sending the segments to the client, these segments constitute a plurality of second portions of a response. Hall teaches each segment having header information. However Hall did not disclose wherein each second portion [response] is free of all HTTP header information.

Wong disclosed a method for sending HTTP responses and teaches HTTP headers, but did not disclose wherein each second portion [response] is free of all HTTP header information.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Greg Bengzon whose telephone number is (571) 272-3944. The examiner can normally be reached on Mon. thru Fri. 8 AM - 4:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, William Vaughn can be reached on (571)272-3922. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the

Patent Application Information Retrieval (PAIR) system. Status information for

published applications may be obtained from either Private PAIR or Public PAIR.

Status information for unpublished applications is available through Private PAIR only.

For more information about the PAIR system, see http://pair-direct.uspto.gov. Should

you have questions on access to the Private PAIR system, contact the Electronic

Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a

USPTO Customer Service Representative or access to the automated information

system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

gcb

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